CONFERENCE ON DISARMAMENT

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FRANCE

Provision of data relevant to the Chemical Weapons Convention

1. Introduction

As the date for completion of the negotiations on chemical weapons approaches, the provision of data relevant to the Convention is regarded as increasingly vital for setting up the Organization for the Prohibition of Chemical Weapons.

France presents hereunder information concerning the manufacture and use of the chemicals listed in schedules 1, 2 and 3.

2. Method of collection of information concerning the chemicals industry

The Union des Industries chimiques was requested to conduct a survey of the some 1,200 companies members of the Union, which represents the entire French chemicals industry. The information obtained reflects the situation in the industry in mid-1991.

The information was provided on a voluntary basis and therefore it cannot be guaranteed to be absolutely complete. Nevertheless, the data obtained are deemed to be sufficiently exact and comprehensive to meet the requirements.

Schedules of chemicals 1, 2 and 3 in document CD/1046 of 18 January 1991 were used as the basis for collection of these data.

3. Information concerning uses for protective purposes

The present aggregate production situation is shown in appendix 1.

Chemicals listed in schedule 1 are produced for defence research and protective purposes in a small-scale production facility whose maximum total capacity is 300 kg/year.

These chemicals are consumed either at the research centre in which the facility is situated, in a decontamination measures and research department (a few kg/year), or at a military centre for protection training (a few kg/year).

4. Information concerning the chemicals industry

The firms which responded to the survey may be classified as follows:

- Schedule 1: 1 firm uses one type of chemical (nitrogen mustards)

- Schedule 2A: 9 firms produce or use certain chemicals

- Schedule 3: 35 firms produce or use certain chemicals.

In all, there are 15 production sites and 58 processing/consumption sites.

Appendix 2 shows the aggregate situation regarding the number of plants producing or using the chemicals listed in the different schedules.

Appendix 3, for production, and Appendix 4, for processing/consumption, show, for each chemical, the production tonnage range.

APPENDIX 1

1 - Presence of chemical weapons in the national territory	No
- Chemical weapons held in the territory of another State	No
2 - Chemical weapons production facilities	None
- Total number of sites where substances listed in schedules 1, 2 or 3 are produced, processed or consumed	74
3 - Types and names of chemical warfare agents produced (*)	Mustard gas, Tabun, Sarin, Soman, VX
- Types of chemical munitions stored; chemical weapons in bulk	Not applicable
- Names of chemicals listed (**) in schedules 1, 2 and 3 produced by the chemicals industry	
4 - Destruction plans and methods, chemical weapon destruction facilities	Not applicable

(*) In the small-scale production facility

(**) See Appendix 3

APPENDIX 2

AGGREGATE DATA FOR THE CHEMICALS INDUSTRY

Schedule 1			Schedule 2A						Schedule 3					
Production facilities	Processing/ consumption facilities		Production facilities			Production/ consumption facilities			Production facilities			Production/ consumption facilities		
	<1T	>1T	0-10T	10-20T	>30T	<10T	10-30T	>30T	0-30T	30-100T	>100T	0-30T	30-100T	>100T
0	1	0	0	0	3	1	1	7	2	1	13	16	11	24

APPENDIX 3

PRODUCTION IN THE CHEMICALS INDUSTRY

		0-10T	10-30T	>30T
SCHEDULE 2A				
1.	Chemicals containing a phosphorus atom to which is bonded one methyl, ethyl or propyl (normal or iso) group			X
7.	N, N-Dialkyl (Me, Et, n-Pr or i-Pr) aminoethyl-2-chloride			X
8.	N, N-Dialkyl (Me, Et, n-Pr or i-Pr) aminoethane-2-ol			X
9.	N, N-Dialkyl (Me, Et, n-Pr or i-Pr) ethanethiol			X
10.	Bis (2-hydroxyethyl) sulphide			X

		0-30T	30-100T	>100T
SCHEDULE 3				
1.	Phosgene			X
2.	Cyanogen chloride		X	X
3.	Hydrogen cyanide			X
4.	Trichloronitromethane		X	X
5.	Phosphorus oxychloride	X		
6.	Phosphorus trichloride			X
8.	Phosphorous acid esters			X
9.	"			
10.	"			
12.	Sulphur monochloride			X
13.	Sulphur dichloride	X		X
14.	Thionyl chloride	X	X	X

APPENDIX 4

PROCESSING/CONSUMPTION IN THE CHEMICALS INDUSTRY

	0-1T	>1T	30T
SCHEDULE 1			
6. Nitrogen mustards	X(kg)		
SCHEDULE 2A	0-10T	10-30T	>30T
1. Chemicals containing a phosphorus atom to which is bonded one methyl, ethyl or propyl (normal or iso) group			X
6. Quinuclidin-3-ol	X(kg)		
7. N, N-Dialkyl (Me, Et, n-Pr or i-Pr) aminoethyl-2-chloride			X
8. N, N-Dialkyl (Me, Et, n-Pr or i-Pr) aminoethane-2-ol	X	X	X
9. N, N-Dialkyl (Me, Et, n-Pr or i-Pr) ethanethiol			X
10. Bis(2-hydroxyethyl) sulphide		X	
11. 3,3-Dimethylbutan-2-ol (pinacolyl alcohol)	X(kg)		
	0-30T	30-100T	>100T
SCHEDULE 3			
1. Phosgene			X
2. Cyanogen chloride		X	X
3. Hydrogen cyanide	X		X
4. Trichloronitromethane		X	X
5. Phosphorus oxychloride	X	X	X
6. Phosphorus trychloride	X	X	X
7. Phosphorus pentachloride	X	X	
8/9/10. Phosphorous acid esters	X		X
11. Sulphur monochloride		X	X
12. Sulphur dichloride			X
13. Thionyl chloride	X	X	X